INDEX TO VOLUME IX.

Aberdeen, the fish-people of, 369.
Afgauns, amusements of the, 11.
Agriculture, British: Jan., 23; Feb., 81; March, 121; April, 161; May, 209; June, 249; July, 289; August, 337; Sept., 377; Oct., 425; Nov., 465; Dec., 501.
Albino, on the, 234.
Alexandria, 460.
Algeria, 29, 68.
Ammon, Rabbah, or Philadelphia, 261.
Amusements, effect of rational ones on the people, 480.
Anchor, a ship's, the uses and manufacture of, 319, 322.
Animals, effects of vegetables on different, 28; power of adaptation of habits in, 358.
Ants, sagacity of, 64.
Antwerp, 291.
Apple-harvest in Normandy, 345.
Arabs; their mode of tracing footsteps, 176; in Mesopotamia, 307.
Asphaltum, or bitumen, 485, 494.
At-Meidan, the, and its pillars, 1.
Australia, the natives of, 315.
Avignon, 244.

Baths, in factories, 219.
Basing-house, 257.
Beethoven, 14.
Beauty, 368; Beautiful, influence of the, 72.
Beavers and Beaver-meadows in North America, 103.
Bill of Rights, the, 388.
Birds, Summer, migratory, journal of the arrival of, 128; motives to migration of, 336.
Biscuits, ships', manufacture of, 130.
Books, on lending, 176.
Borneo, markets and currency in, 156.
Borthwick Castle, Scotland, 477.
Boscobel-house, Charles II. at, 193.
Brazil, the gold-mines of, 441; mandioca-root of, 457; cultivation of coffee in, 484.
Buffaloes, employment of, 160.
Bukharest, 397.
Burghley-house, Northamptonshire, 237, 242.
Bush-rope, the, 3.

Calendar, Monthly: for Jan., 1840, 8; Feb., 40; March, 88; April, 128; May, 168; June, 216; July, 256; August, 296; Sept., 344; Oct., 384; Nov., 432; Dec., 472.
Canada, clearing land in, 140.
Canal weigh-lock, 115.
Canova, 364.
Carnbrè Castle, Cornwall, 285.
Casper Hauser, 398, 406.
Castleacre Priory, Norfolk, 409.
Char and Char-fishing, 158.
Chemistry, domestic:—roasting, frying, and broiling, 346; a candle, 354; soap, 415; a cup of tea, 419; sugar, 438; starch, 450; a quartern loaf, 482; substitutes for wheaten bread, 490.
Chertsey, Surrey, 397.
China; sketches of the coasts from Sincapore to Pekin:—Sincapore to Camboja, 245; Camboja to Hainan, 256; coasts and commerce of Quang-tong, 286, 303; coasts of Quang-tong and Fo-kien, 311; commerce of the Chinese, 317; the island of Formosa, 326; the province of Che-kiang, 334; Shanghai to Pekin, 358.
Chiva, 138.
Climate, physical, circumstances determining, 194.
Coal-mines, employment of children in, 416.
Coat, a, history of, 330, 375, 386, 403.
Coat-button, the history of a, 77.
Coffee growers and drinkers, hints to, 112; coffee-shops in London, 488.
Coins, Roman, moulds of, 15.
Colonists, modern, 96.
Commerce, advantages of, 240.
Coral and Coral Fishery, on, 79.
Cordova, the mosque at, 401.
Corn and grain, improvement of, 136.
Corn-mill, primitive, in California, 136.
Cottages, thatching of, 93, 109.
Cottagers, advice to, 104; garden calendar for, 216.
Cotton gown, the history of a, 4, 20, 45.
Cotton-manufacture, the, 496.
Cowling Castle, Kent, 297.
Creation, wonders of, 160.

Dairies and dairying in America, 90.
Damascus, 353.
Dancing in the East, 113.
Deer-hunting in the Highlands, 462.
Delhi, the Observatory at, 217.
Desert, the, road of Pilgrims through, 112.
Difficulties may be overcome, 440.
Dilemmas, 219.
Discourse, 152, 304.
Diseases, feigned, on, 367, 370.
Dispatch, 243.
Dogs, of the Tschuktschi, 264.
Druid stones and Spa near Shap, Westmoreland, 91; Druidical remains, 301, 308, 316, 324.
Druses, the, 97, 106.
Ducks, the eider, in Iceland, 284.

Echo, 400.
Editor's Address, 507.
Education:—one of the remedies of economical evils, 412; popular, in Germany and England, 417.
Elephant-hunting, 412.
Elk, the North American, 239.
Elwes, John, the miser, 49, 62, 66.
Emigration, religious, 7.
Epsom salts, 222.
Esthonians, customs and superstitions among the, 437.
Etienné, St., the abbey and church of, at Caen, 313.
Factory-system, the influence of, upon the condition of women, 408.
Farthings, Queen Anne's, 436.
Fires, the prevention and extinction of, 269, 277.
Flute, the, 170.
Flowers, 200.
Food, economy of, 476.
Forests, on the Alps, 273; North American, edible productions of, 495.
France, antiquities of, 304.
Frankfort-on-the Maine, 224.
Friendship and patriotism, 92.

Gamboge, on, 315.
Genius, uncultivated, 80.
Geography, proper objects of, 225; study of, 417.
Gibbon, agile, the, 361.
Ginger, the culture and qualities of, 247.
Guy's Cliff, Warwick, 443, 454.

Hall, Sir Matthew, anecdote of, 483.
Health, influence of the seasons on, 464.
Heathenism, depopulating effects of, 32.
Hesonry, the, 220.
Hexham, Northumberland, 452.
History, 476.
Home-sickness, or the Mal-du-Pays, 447.
Honey, nature and uses of, 31.
Horses, American, anecdotes of, 19; sagacity of, 179.
Horse Armoury in the Tower: Norman crusader, 9; Edward I., 25; Henry VI., 68, 95; Edward IV., 105; Henry VII., 141; Henry VIII., 173, 180; Charles Brandon, Duke of Suffolk, and Edward Clinton, Earl of Lincoln, 231; Edward VI., 241; Francis Hastings, Earl of Huntingdon, and Robert Dudley, Earl of Leicester, 289; Sir Henry Lee (1590), 309; Robert Devereux, Earl of Essex, 349; James I., 405; Sir Horace Vere (1606), 420; Henry, Prince of Wales (1612); George Villiers, Duke of Buckingham (1618); Charles, Prince of Wales (1620), 462; Thomas Wentworth, Earl of Strafford (1635), and Charles I. (1640), 473; James II., 489.

Indians, the Snake, camp of, 272.
Industry, use of habits of, 444.
Insane, the, effect of employment on, 176
Instruction, ability required for, 260.
Intercourse, personal and epistolary, means of, seventy years ago, 43.

Jumièges, the abbey of, Normandy, 389.

Kidney-beans and scarlet-runners, 144.
King's-evil, the, royal touch for, 101.
Knowledge, the handmaid to religion and virtue, 272.

Labour, 56; desultory and continuous, results of, 8; labour and capital, 412.
Lace, and its manufactures, 186.
Lagoon Islands of the Pacific Ocean, 156.
Lama caravan, the, 336
Land slip near Axmouth, Devon, 57.
Land surveying, 453, 458, 479.
Law and knowledge, 92.
Leith, 348.
Lights, the Drummond and Bude, 132, 142.
Lillebonne, France, 108, 116.
Literature, changes in, 482.
Lyon, the cathedral of, 325.

Magnesia, on, 266.
Man, simple elements of the agency of, 72; variety of dispositions and occupations, 72; fondness of, for occupations, 92.
Management, 239.
Maps, value and use of, 417.
Manufactures, aid of nature in, 144; British, spread of, 424.
Measures, of length and capacity, on, 221.
Mechanics' Institutes, exhibitions of, 76.
Medicants, the religious, of Mohammedan countries, 153.
Mendip Hills, Cheddar Cliffs, &c., 6.
Mexico, architecture in, 208.
Money struck by Cardinal Wolsey, 396.
Mont St. Michel, France, 145.
Moonlight, effects of, on the eyes in Eastern countries, 444.
Moscow: the Pokrovski cathedral, 393.
Motion, communicated, the permanence of, 268.
Mouse, harvest, the, 224.
Mummy found in Auvergne, account of, 149.
Music and the muscular sense, 332.
Musical instruments: lyre, lute, and guitar, 390, 394.
Musquash, or Musk rat, the, 191.

Names, proper, in England, on the use of, 116.
Naras, the, a new fruit, 44.
Naturalists walk, the, 347.
Nettle, the; why it stings, 456.
Newcastle upon Tyne, improvements at, 99, 137, 148, 157, 169, 177.
Newspapers, English, on the reputed earliest printed, 17, 51.
Nice, 233.
North west Passage, discovery of the, 181.

Omnipotence of the Creator, 144.
Opium smuggling in China, 89.
Orkney Islands, the, 134.

Padua, the great hall of, 481.
Palestine, the deserts bordering on, and their inhabitants, 389.
Pampas, thistles on the, 456.
Paper-hangings, intellectual, 52.
Past and Future, 136.
Patriarchal customs, 219.
Peas, mode of sticking, 64.
Peasantry, the need of instruction among, 240.
Petersburg, St., the markets of, 197.
Peverel Castle, Derbyshire, 433.
Pheasants, 413.
Pilot-fish, the, anecdote of, 300.
Plants, sleep of, 286.
Ploughing in California, 140.
Poetry, 412.
Praise or censure, 32.
Prints, Russian, popular, 56.
Property, slave-like notions on the institution of, 64.
Prosperity, false appearances of, 11.
Public improvements, 497.

Rebellion, the great, anecdote of, 407
Recreation for the people, 203.
Registration, importance of, 184.
Religion, national, Russian travels in search of a, 410.
Revenge, 328.
Rhinoceros-hunt, the, 406.
Rice, 151.
Rich and poor, 196.
Roads, motives for making, in Africa, 144; in Shetland, 456.
Romsey, Hants, 73.
Rook, the, 44, 110.
Roslin Castle, 265.
Rossberg, Fall of the, 475.
Rural districts, means of exciting skill in the useful arts in, 115.
Rye-house, the, 105.

Saffron, 109.
Salt, manufacture of, in Scotland, 321.
Sandwich Islanders, food of the, 236.
Sanatorium, in the metropolis, 248.
Savage life, 3; mistrustfulness in, 28.
Scales and weights, 194, 206.
Scarabæus, Egyptian, the, 480.
Schools; of design, foreign, 190; teaching in the United States, 279; plan by which children may convey instruction at their homes, 284.
Scriptural illustration, 490.
Seeds, vitality of, 184.
Sheep, in California, 3; African, 3.
Sheerness dock-yard, 12.
Siberia, life in, 218.
Sickness, the sweating, of the 15th and 16th centuries, 271.
Silk-producing fish, 47.
Sisters of Charity; the, 487.
Smuggling, 229.
Snow-storms, in mountain districts, 22.
Speaking, rationale of, 150.
Steam, 140; steam-navigation, 305.
Stimulants, external, 174, 178.
Superstition and enthusiasm, 92.
Surveying and allotting, difficulties of, in North America, 293.

Table, mahogany, history of a, 262, 266, 274.
Tea; the Paraguay tree, 48; cultivation of, in Assam, 80, 70; making of in China and Assam, 75.
Tees and Tyne, the valleys of the, 198, 202.
Telegraphs, on communications by, 60 422.
Ternate, the island of, 445.
Tierra del Fuego, the natives of, 152.
Toledo, the cathedral of, 492.
Towns, influence of, 240.
Translations, bad, 249.
Tristram Shandy, 300.
Truth, 120.
Tunis, manners at, 130.
Turquoise, the, 183.
Tuscany, agriculture of, 440.
Tynemouth bar, Northumberland, 333.

Vaccination, new Act for the extension of, 400.
Vine, the, soil proper for, 276; growth of, in England, 280; method of treating, 288.
Vital principle, the, 156.
Vittorio Alfieri, 434.

Wallachia and Moldavia, 357, 366, 372.
Waltham Abbey, 201.
War, effects of, 488.
Whale, the, useful products of, 146, 154.
Whittington's cat, 496.
Winchester College and its Library, 41, 54, 63.
Wolves, habits of, 416.
Words, the meaning of, importance of comprehending, 288.

Zoological Society of London, 236.

184297

LIST OF ILLUSTRATIONS.

BRITISH TOPOGRAPHY AND ANTIQUITIES.

Sheerness Dockyard and Pier, 12
Winchester College, 41.
View of the Land-slip near Axmouth, 57.
Plan of the same, 58.
Romsey Abbey Church, Hants, 73.
Irish Stone Cabin and Mud Cabin, 94.
Newcastle-upon-Tyne—
The Royal Arcade, 137.
Interior of Green-Market, 149.
Grainger-Street, 157.
Grey-street, from Dean-street, 169.
Grey street, 177.
The Rye House, Hertfordshire, 185.
Boscobel House, Shropshire, 193.
Waltham Abbey, 201.
The Heronry on the River Findhorn, Morayshire, 220.
Martello Towers, near Pevensey Bay, Sussex, 229.
Burghley House, Northamptonshire, 237.
Razing House, after the Siege, 257.
Ruins of Roslin Castle and Chapel, 265.
Fire-bell Gate, Barking, Essex, 269.
Couvre-feu—from "Antiquarian Repertory," 276.
Carnbré Castle, Cornwall, 284.
Cowling Castle, Kent—present state of the Gateway, 297.
Abury, general view—restored, 301.
Ground-plan, Map, and bird's-eye view of the Druidical Temple, 302.
Druidical Circle, Jersey, 308.
Cromlech at Plas Newydd, Anglesey, 316.
Kit's Cotty-house, Kent, 317.
A Salt pan on the Forth, 321.
Harold's Stones, Trelech, Monmouthshire, 324.
Mouth of the Tyne, 333.
Leith Harbour, 348.
Chertsey, from the North, 397.
Castleacre Priory, Norfolk, 409.
Peverel Castle, Derbyshire, 433.
Priory Church, Hexham, 453.
Present remains of Berthwick Castle, Scotland, 477.

London:—
Railway Terminus at Blackwall, 497.
Camberwell National Schools, 499.
Adelphi Theatre, Strand, 499.
Shop Front, Quadrant, Regent-street, 500.

Horse Armoury in the Tower:—The Norman Crusader, 9; Edward I., 25; Henry VI., 68; Edward IV., 105; Henry VII., 141; Henry VIII., 173, 180; Edward VI., 241; James I., 405; Sir Horace Vere, 421; Charles I., 473; James II., 493.

FOREIGN TOPOGRAPHY AND ANTIQUITIES.

The At-Meidan and its Pillars, Constantinople, 1.
Corstatina, in Algeria, 65.
Macao, 89.
New Zealand village, 94.
Djoumi, the residence of Lady Hester Stanhope, in Syria, 97.
New Zealand Hut and Garden-fence, 101.
Castle of Lillebonne, Normandy, 108.
Remains of the Roman Amphitheatre at Lillebonne, 116.
Tunis, 129.
Mont St. Michel, La Manche, France, 145.
Hotel de Cluny, Paris, 204.
The Observatory at Delhi, 217.
The Cathedral of Frankfort-on-the-Maine, 225.
Nice, from the heights on the road to Villafranche, 233.
Avignon, and the Old Bridge over the Rhône, 244.
Ruins of the Mausoleum at Ammon (Rabbah, or Philadelphia), Syria, 261.
Pont Alto, near Agordo, 273.
Hôtel de Ville, Antwerp, 281.
Druidical Circle at Darab, Persia, 309.
Druidical Stone at the same, 309.
Abbey of St. Etienne (Stephen), Normandy, 313.
Monumental Pillars near Tartous in Syria, 325.
Abbey of Jumièges, and Procession of the "Loup Vert," 329.
Damascus, 353.
Coin of Damascus, 354.
Bukharest Metropolitan Church and Bell, 357.
Canova's Monument to the Stuarts, in St. Peter's, Rome, 365.
Monument to the Archduchess Maria Christina, by Canova, 368.
The Cathedral of Lyon, from the Rhône, 385.
Cathedral of the Virgin Mary, or St. Basil, at Moscow, 393.
Interior of the Cathedral at Cordova, 401.
Island of Ternate, 445.
View of Alexandria, 461.
Plan of Ancient and Modern Alexandria, 462.
The Palace of Justice, Herb-market, &c., Padua, 481.
Toledo Cathedral 492.

NATURAL HISTORY.

Rice (*Oryza*), 152.
The Musquash, 192.
The Agile Gibbon, or Ungka Puti, 361.
The Teazle (*Dipsacus fullonum*), 384.
Silver Pheasant, Golden Pheasant, and Reeve's Pheasant (*Syrmaticus Reevesii*), Males, 413.
The Highland Deer-hound in chase, 449.

MISCELLANEOUS.

Arab Family of Algeria, 29.
Arab Dance and Costume—from De Laborde's 'Syria,' 113.
Agricultural Emblems of the Months—from Anglo Saxon MSS.:—January, 33; Ploughing, &c., 36; February, 81; March, 131; April, 161; May, 209; June, 249; July, 289; August, 337; Sept., 377; Oct., 425; Nov., 465; Dec., 501.
Head of a Newspaper of the 17th Century, 17.
Portrait of John Elwes, 49.
Pattern for Intellectual Paper-hangings, 52.
Oriental Gate, 53.
Modern Egyptian Doorway, 53.
Telegraphic Communications, 61.
Process of Tea Making, 76.
Suffolk Patent Drill, 82.
Dibbling, 82.
Thatcher in Normandy, 100.
Hexagonal Biscuits, 131.
Argand Lamp, 133.
Drummond Light, 133.
Parabolic Reflector, 134.
Beale's Lamp, 144.
Mohammedan Santon and Disciples, 153.
Egyptian Playing on the Nây, 173.
Lace Net, 188.
Scales, 195; and Steelyard, 196.
Fish Bark of St. Petersburg, 197.
The first Fire-Engine, 277.
The British Queen, Steam-Ship, 303.
Anchors, 320.
Apple Gathering in Normandy, 345.
Fish Woman of Aberdeen, 365.
Bullock Caravan in Moldavia, 372.
Landing of William III.—From a picture by Stothard, 389.
The Chanoón, 392.
Player on the Chánoón, 392.
The 'Oód, 396.
Egyptian Player on the 'Oód, 396.
German Itinerant Map Seller, 417.
Illustrations of Electro-Galvanic Magnetism, 423, 424.
Queen Anne's Farthings, complete set, 436.
Gold Washing in Brazil, 441.
Preparing the Mandioca Root, 457.
Diagrams illustrating Land Surveying, 459, 460, 479, 480.
Coffee Plantation in Brazil, 484.
Cotton-manufacture:—Picking Cotton, 4; Willowing-machine, 4; First Drawing-frame, 5; Leipsic or Saxony Wheel, 20; Throstle Spinning Apparatus, 21; Power-loom, 45; Shuttle of ditto, 45.
Woollen-manufacture:—Wool-carding Engine, 376; Slubbing-billy, 388; Shearing-machine, 404.

THE

PENNY MAGAZINE

OF

THE SOCIETY

FOR THE

DIFFUSION OF USEFUL KNOWLEDGE.

1840.

LONDON:

CHARLES KNIGHT & CO., 22, LUDGATE STREET.

Price 6s. in Twelve Monthly Parts, and 7s. 6d. bound in Cloth.